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Llanelly Rural District Council

Annual Report

of the

Medical Officer of Health

for the

Year ending 31st December, 1940

LLANELLY :

Printed at the "Mercury" Offices, 42-44, Market Street.

1942

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PUBLIC HEALTH STAFF.

Medical Officer of Health (Part Time) :

*D. C. EVANS, M.R.C.S. (Eng.), L.R.C.P. (London).

Four Whole-time Sanitary Inspectors :

1. *T. MYRON GRIFFITHS, A.R.S.I.

Date and nature of qualifications :

- A. Sanitary Inspector, Royal Sanitary Institute, 1925.
- B. Meat and other Foods, 1928.

2. *D. E. JONES, M.S.I.A.

Date and nature of qualifications :

- A. Sanitary Inspector, Royal Sanitary Institute, 1906.
- B. Master Plumber Certificate, 1906.

3. *D. I. TREHARNE, A.R.S.I.

Date and nature of qualifications :

- A. Sanitary Inspector, Royal Sanitary Institute, 1923.
- B. Sanitary Science and Law, Sanitary Training College, 1921.
- C. Building Construction, County Technical School, 1921.

4. *T. J. BIBBS, A.R.S.I.

Date and nature of qualifications :

- A. Sanitary Inspector, Royal Sanitary Institute, 1935.
- B. Meat and Other Foods Inspector, Royal Sanitary Institute.
- C. Certificate of the Royal Sanitary Institute in General Hygiene and Sanitation.

Chief Clerk :

W. O. G. RODERICK.

Clerks :

D. T. REES.
O. L. JONES.

* Salary Contribution by Exchequer.

Llanelly Rural District Council

Annual Report of the Medical Officer of Health for the Year
ending December 31st, 1940.

Castle Buildings,
Llanelly,
1941.

Mr. Chairman and Gentlemen,

As directed by the Ministry of Health in a Memorandum to Medical Officers of Health, I have the honour to submit to you my Report on the sanitary state of the District under your supervision during the year 1940.

SECTION A.

Physical Features and General Character of the District.—The Rural District Area is 51,380 acres, and, with the exception of about 200 acres, is situated on the South Wales Coalfield. It represents about 70 per cent. of the coalfield in the County of Carmarthen.

Population.—The population at the last Census (April, 1931) was 37,266. According to the Registrar-General's Report, the population for Mid. 1940 was estimated as 35,910, and this last figure is used as a basis in all Tables, etc., in this Report. (See Table IX.)

It will be observed that there is a reduction of 1,356 persons as compared with the Census of 1931.

Number of inhabited houses in 1931 was 7,978.

Number of inhabited houses in 1940 was 8,836.

The Rateable Value of the District in April, 1940, was £99,918, and the Net Product of a penny rate for the year ended 31st March, 1940, was £362.

Social Conditions, etc.—See previous Report.

For Analysis of Deaths from respiratory and other diseases at various ages arranged in sexes, see Table II.

Births are as follows :—

1.—Legitimate—Males, 239 ; Females, 242 ; Total, 481.

2.—Illegitimate—Males, 3 ; Females, 11 ; Total, 14.

Grand total of 495 births, giving a birth rate of 13.78 per 1,000 of the population as against 37.11 in 1904, being the highest for the last 40 years. This is the lowest birth rate on record. The birth rate for the whole of England and Wales is 14.6.

Still-births.

1.—Legitimate—Males, 12 ; Females, 13 ; Total, 25.

2.—Illegitimate—Males, 1 ; Female, 1 ; Total, 2.

Grand total of 27 still-births, giving a rate of 0.75 per 1,000 of total population, the rate for the whole of England and Wales being 0.55.

Deaths.—Males, 245 ; Females, 193 ; Total, 438, giving a death rate of 12.19 per thousand of the population.

Number of women dying in, or in consequence of child-birth :—

(1) From Sepsis, 1 ; (2) Other causes, 1.

Deaths of infants under one year of age :—

Legitimate, 43	} Total, 43, equivalent to 86.86 per 1,000 live births, the rate for England and Wales being 55.
Illegitimate, —	

Deaths from Measles (all ages)	.....	Nil
„ „ Whooping Cough (all ages)	.....	Nil
„ „ Diarrhoea (under 2 years of age)	.....	1

There has been no unusual or excessive mortality during the year which has received or required comment, the death rate being 12.19 as against 14.3 for the whole of England and Wales.

Table No. II. shows nett deaths from stated causes at various ages, arranged in sexes, for the year 1940.

SECTION BI. (11).**GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.****(a) Laboratory Facilities.**

See under heading “ Infectious Diseases ” generally.

(b) Ambulance Facilities.

(1) For infectious cases. Only by special arrangement with County Isolation Hospital.

(2) For non-infectious cases and accidents. Ample provision throughout the district by arrangement with St. John's Ambulance Association (Priory of Wales).

(c) Nursing in the Home.

(1) This is partly provided by private Associations and partly by the County Council. The former are assisted by the Carmarthenshire Nursing Association and also the Ministry of Health.

(2) For infectious diseases. In cases of necessity, this is provided by the Local Authority.

(d) Clinics and Treatment Centres.

- (1) Maternity and Child Welfare Centres—Provided by the County Council.
- (2) Day Nurseries and School Clinics—None.
- (3) Orthopaedic Clinics—Provided by the County Council.
- (4) Artificial Light Clinics—none.
- (5) Tuberculosis Dispensaries and Visiting Stations—Supplied by the Welsh National Memorial Association, the nearest Station being at 23, Greenfield Villas, Llanelly.
- (6) Treatment Centre for Venereal Diseases—Swansea General Hospital, by arrangements with the County Council.

(e) Hospitals—Public and Voluntary.

- (1) Fever—The Council is dependent upon the Carmarthenshire County Council for Hospital treatment of all cases of infectious disease, which Hospital is situated at Llwyncwttta, Llannon, within the Rural Area.
During the year, the number of cases so admitted was 68.
The cost of treatment is borne by the County Council.
 - (2) Smallpox—No hospital available.
 - (3) Tuberculosis—Hospitals and Sanatoria are provided by the Welsh National Memorial Association, subsidized by the County Council.
 - (4) Maternity)
 - (5) Children)
 - (6) Orthopaedic)
- In the absence of Hospital accommodation, surgical cases are treated principally in the Swansea, Llanelly and Carmarthen General Hospitals.

The only other accommodation available is the Poor Law Institution, Llanelly, where unmarried mothers, illegitimate infants and homeless children are admitted.

Section B (2), (3), (4).—These Sections refer to services administered by the County Council.

LEGISLATION IN FORCE WITHIN THE DISTRICT.

The following is a list of Local and Adopted Acts, Orders investing the Council with Urban Powers, and Bye-laws in force within the District :—

Local Acts:

Llanelly Rural District Council Water Acts, 1912 and 1919.

Adopted Acts:

Infectious Diseases Prevention Act, 1890.

Public Health Act, 1925, Part II., Sects. 14, 23, 25 to 33 ;

Public Health Act, 1936—Sects. 19, 27, 36, 37, 40, 56, 83, 84, 85, 86, 267, 268, 275, 287.

Orders Investing Urban Powers:

Date of Order.	Order. No.	Name of Act with Sections and Powers Conferred.
13/10/1900	41870	Section 77 of the Public Health Act, 1936, relating to the Watering of Streets, Section 160 of the Public Health Act, 1875, so far as incorporates the provisions of the Town Improvement Clauses Act, 1847, with respect to Naming of Streets and Numbering of Houses, and with respect to improving the line of Streets and removing obstructions.
13/10/1900	41870	Section 221 of the Public Health Act, 1936, with respect to public bathing within the contributory place of Pembrey.
12/2/1902	43727	Section 155 of the Public Health Act, 1875, and Section 3 of the Public Health (Buildings and Streets) Act, 1888, relating to Building Lines.
24/7/1912	58322	Section 56, Public Health Act, 1936, with respect to the paving of back-yards.
16/10/1914	62887	Section 161 of the Public Health Act, 1875, relating to Public Lighting in the contributory place of Pembrey.
28/4/1919	65230	Sections 161 (1) and 163 of the Public Health Act, 1875, relating to Public Lighting in the contributory places of Llanelly Rural and Llannon.
8/8/1922	67930	Section 171 of the Public Health Act, 1875, so far as incorporates the provisions of the Town Police Clauses Act, 1847, with respect to Fires and the provision of Fire Brigades.
10/10/1922 (Home Office Order)		Section 90 of Part VIII. of the Public Health Acts Amendments Act, 1907, relating to Agreements with Local Authorities for use of Fire Appliances.
19/1/1925	69751	Section 160 of the Public Health Act, 1875, so far as incorporates the provisions of Section 79 of the Town Improvement Clauses Act, 1847, relating to the protection of Houses during repairs to Sewers, Streets and Houses.
20/12/1924	1431	The Rural District Councils (Slaughterhouses) Order, 1924.
13/9/1931	580	The Rural District Councils (Urban Powers) Order, 1931.
24/6/1922	76641	Section 160 of the Public Health Act, 1875, as far as it incorporates Section 75 of the Town Improvements Clauses Act, 1847, with respect to ruinous or dangerous buildings.

5/5/1936 85694 Sections 43, 44, 47, 287 and 290 (Provision and Conversion of Closet Accommodation) comprised in the Public Health Act, 1936, to be in force in the Contributory Place of Pontyberem.

Bye-Laws:

With respect to Tents, Vans, Sheds and similar structures used for human habitation made 9th July, 1914.

With respect to Common Lodging Houses, made 9th July, 1914.

With respect to Slaughterhouses, made 9th July, 1914.

With respect to Nuisances, made 3rd September, 1914.

With respect to the Prevention of Waste, Undue Consumption, Misuse or Contamination of the Water of the Council, made 12th August, 1920.

With respect to New Streets and Buildings, made 5th September, 1929.

SECTION C.

SANITARY CIRCUMSTANCES OF THE AREA.

WATER SUPPLY.

The Council are under an obligation to supply 680,000 gallons of water per day as Compensation Water to the River Towy Fishery Board under the Llanelly Rural District Water Act, 1912.

Total Consumption of Water for past 10 years as follows :—

1931	.....	.....	571,350,000	gallons
1932	.....	.....	501,400,000	„
1933	.....	.....	549,190,000	„
1934	.....	.....	519,030,000	„
1935	.....	.....	537,970,000	„
1936	.....	.....	520,350,000	„
1937	.....	.....	566,630,000	„
1938	.....	.....	516,670,000	„
1939	.....	.....	613,510,000	„
1940	.....	.....	614,980,000	„
Total consumption for 10 years			5,511,080,000	„
Average consumption per annum			551,108,000	„
The average consumption per annum for Trades Purposes during the last 10 years was			294,093,000	„
So that the average consumption per annum for Domestic Purposes was			257,015,000	„
or 704,100 gallons per day.				

The number of houses supplied is roughly 5,170, and taking an average of 5.6 persons per house, the population supplied would be

approximately 28,952. On this basis the average consumption per head per day would be 24.33 gallons approximately.

RAINFALL.

I append records of rainfall as measured at Llynnyfan Waterworks and Cwmlledi Waterworks during the year, and am indebted to Mr. D. C. Samuel, your Engineer, and to Mr. J. H. Montgomery, the Borough Surveyor of Llanelly, for these records :—

Month.	Llynnyfan Inches.	Cwmlledi. Inches.
January	4.73	5.21
February	8.92	6.21
March	9.40	3.66
April	4.71	2.82
May	2.85	1.82
June	1.45	.67
July	5.99	4.19
August	1.73	.54
September	3.49	2.43
October	10.77	4.48
November	17.09	11.43
December	6.34	4.83
Totals	77.47	48.29

I have shown on Table XVII. the records of rainfall as measured at Llynnyfan for the last 10 years.

SEWERAGE.

Minor extensions to the Sewers were carried out during the year at Mynachlog Terrace, Pontyberem; Trosmaen, Felinfoel; and Penygraig, Llwynhendy.

The following connections to the Sewers were carried out during the year :—

Llanelly and Pembrey Main Drainage Scheme.

Pwll	1
Furnace and Pentrepoeth	3
Felinfoel	19
Dafen	6
Penceiliogi	0
Halfway and Pemberton	6
Charles Street	0
Sandy	0
	— 35

Llangennech Sewerage Scheme	86
Pontyberem Sewerage Scheme	23
Llwynhendy Sewerage Scheme	10
Trimsaran	6

Total 160

Sewerage Schemes for the villages of Trimsaran and Pontyberem have been completed.

RIVERS AND STREAMS.

There has been no appreciable change in the conditions as outlined in my previous reports.

Closet Accommodation.

Number of open midden privies	.....	Nil.
Number abolished during the year	.....	Nil.
Number of covered midden privies	.....	Nil.
Number abolished during the year	.....	Nil.
Number of pail closets	.....	4682
Number constructed during the year	.....	16
Number of W.C.'s	.....	4154
Number constructed during the year	.....	252

For details of Scavenging arrangements, please refer to Annual Report for 1938.

Sanitary Inspection of the Area.

The total number of inspections made in 1940	.....	3499
Number of Informal Notices served	.....	119
Number complied with wholly	.....	66
Number complied with partially	.....	62
Number of Statutory Notices served	.....	77
Number complied with wholly	.....	45
Number complied with partially	.....	37
Number of legal proceedings taken	.....	1

Premises and Occupations which can be controlled by Bye-Laws or Regulations.—Inspections were made regularly.

Other Sanitary Conditions requiring Notice.—Nil.

Shops Act, 1934.—Pressure of work in other directions has made it impossible for the Department to administer the provisions of the above Act during the year.

Swimming Baths and Pools.—There is one swimming pool in the area, the water for which is obtained by impounding a small river which is comparatively free from pollution. The water in the pool is renewed each week-end.

Eradication of Bed Bugs.

The houses inspected during the year have been comparatively free from vermin. In only five cases was action found necessary. Two houses were privately owned, whilst the other three houses were owned by the County Council.

The infected premises or rooms were treated with "Zaldecide" Spray. Whilst this treatment effected a marked improvement, it is not certain that it will ensure complete eradication.

The premises treated are being kept under observation.

For further information regarding disinfestation, please refer to the Section of the Report dealing with Slum Clearance. (Page 14).

Schools.—All the schools in your district are supplied with an ample and excellent supply of water from Llynnyfan or the Llanelly Corporation Water Supply.

The sanitary condition of the Schools and their surroundings, which are directly under the control of the Education Authority of the County, is fairly satisfactory.

No Schools were closed in the area during the year with the object of preventing the spread of infectious diseases.

Health Education.—Child Welfare Clinics and Ante-Natal Work under the direction of the County Council.

Rag Flock Acts, 1911 and 1928.—None in the District.

SECTION D.

HOUSING.

1. Inspection of Dwelling-Houses during the year:

(1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	111
(b) Number of Inspections made for the purpose	513
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 and 1932	98
(b) Number of Inspections made for the purpose	449
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	19
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	101

2. Remedy of defects during the year without service of formal Notices:

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers :

(a) Completed	54
(b) Partially completed	62

3. Action under Statutory Powers during the year:

(a) Proceedings under Sections 9, 10, and 16 of the Housing Act, 1936 :

(1) Number of dwelling-houses in respect of which notices were served requiring repairs 3

(2) Number of dwelling - houses which were remedied after service of formal notices :

(a) By Owners 3

(b) By Local Authority in default of Owners Nil

3

(b) Proceedings under Public Health Acts :

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied 7

(2) Number of dwelling-houses in which defects were remedied after service of formal notices :

(a) By Owners—

Completed 3

Partially completed 16

19

(b) By Local Authority in default of Owners Nil

(c) Proceedings under Sections 11 and 13 of the Housing Act, 1936 :

(1) Number of dwelling-houses in respect of which Demolition Orders were made 6

(2) Number of dwelling-houses demolished in pursuance of Demolition Orders 2

(d) Proceedings under Section 12 of the Housing Act, 1936 :

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made Nil

(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenements or room having been rendered fit Nil

The number of houses owned by the Council is 450, which are distributed as follows :—

Built under Housing Act, 1919.

Llanelly Parish	.....	54
Llannon Parish	.....	44
Llanedy Parish	.....	36
Pembrey Parish	.....	19
Pontyberem Parish	.....	40
The number of houses of the Parlour type is	.....	175
do. do. Non-Parlour type is	.....	18
		<hr/> 193

Built under Housing Acts, 1930-36.

Llanelly Rural	.....	219
Llannon	.....	49
Llanedy	.....	23
Pembrey	.....	27
Llangennech	.....	54
Pontyberem	.....	58
		<hr/> 430

HOUSING ACTS, 1930-1936.—SLUM CLEARANCE.

The total number of houses surveyed for action under the Housing Act, 1936, was 10.

The number of families displaced and rehoused during the year is as follows :—

Site.	Families.	Persons.
Bancygors, Tumble	1	8
Treforgan, Dafen	6	20
Maengwynne, Furnace	*54	244
Bancyfelin, Pontyberem	†34	148
	<hr/> 95	<hr/> 420

* Includes Rehousing for abatement of Overcrowding : 6 families, 39 persons.

† Includes Rehousing for abatement of Overcrowding : 4 families, 32 persons.

The total number re-housed to December, 1940, from the inception of the Slum Clearance Programme is as follows :—

Families	.....	358
Persons	.....	1747

All bedding, furniture and personal effects of the families were disinfected with Hydrogen Cyanide Gas during the process of removal, the work being carried out by Contractors under the supervision of the Department.

SECTION E.

INSPECTION AND SUPERVISION OF FOOD.

MILK SUPPLY.

Administration of the Milk and Dairies Order, 1926, and the Milk (Special Designations) Order, 1936 :—

Number of cowkeepers in the district	.....	600
Number registered	.....	600
Number of Retail Purveyors in the district	.....	168
Total number of cowsheds	.....	600
Number of inspections in 1940	.....	301

Number of samples taken for Bacterial Count and Milk Fat during the year—48. This figure does not include samples taken from producers in the district by the County Council and the Borough Council.

MEAT AND FOOD INSPECTION.

Table "A."—Carcases Inspected and Condemned.

Inspections at Private Slaughterhouses prior to operation of Regional Slaughterhouses.

	Cattle.	Calves.	Pigs.	Sheep.	Total.
Number Inspected	49	4	17	168	238
All Diseases except Tuberculosis:					
Whole Carcases Condemned :					
Septic Metritis	1				1
Emaciation and Oedema				1	1
Totals	1			1	2
Carcases of which some parts or organs were condemned:					
Distomatosis	2			1	3
Pneumonia	1		1		2
Cavernous Angiomatosis	1				1
Oedema (Hindquarters)	1				1
Totals	5		1	1	7
Percentage of Number Inspected affected by disease other than Tuberculosis	10.20		5.88	.59	
Tuberculosis only:					
Whole Carcases					
Parts or Organs	9				9
Percentage	18.36				

Table " B."—Meat Inspection—Regional Abattoir, Burry Port.

June 1st—December 31st, 1940.

Carcases Inspected and Condemned.

	Cattle.	Calves.	Sheep.	Pigs.	Total.
Number Inspected	286	286	3690	40	4302
All Diseases except Tuberculosis:					
Whole Carcases Condemned :					
Emaciation and Oedema	1	.....	9	.....	10
Septic Pleurisy .....	.....	.....	1	.....	1
General Bruising .....	.....	.....	.....	1	1
Totals	1	.....	10	1	12
Carcases of which some parts or organs were condemned:					
Distomatosis	67	.....	304	.....	371
Strongylosis .....	.....	.....	7	.....	7
Abscesses	2	.....	2	.....	4
Pneumonia	1	.....	11	5	17
Enteritis .....	.....	.....	1	1	2
Bruising .....	.....	.....	2	.....	2
Cavernous Angiomatosis	4	.....	.....	.....	4
Mastitis	2	.....	.....	.....	2
Pleurisy	3	.....	.....	.....	3
Emphysema	3	.....	.....	.....	3
Cirrhosis .....	.....	.....	14	.....	14
Hydronephrosis	2	.....	.....	.....	2
	84	.....	341	6	431
Tuberculosis only:					
Whole Carcases	1	.....	1	1	3
Parts or Organs	77	.....	.....	9	86

Number of seizures of unsound meat..... Nil.

Number of surrenders 650

(c) Adulteration, &c. (d) Chemical and Bacteriological Examinations of Food.—The Food and Drugs Acts are administered by the County Council.

Slaughter-house Inspections	106
Meat Shops and Vans Inspections.....	1034
Fish and Rabbit Vans Inspections.....	85

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASES.

Infectious Diseases Generally.

Table No. 1 shows the number of Diphtheria, Scarlatina, and Enteric Fever cases recorded in the District for the last 40 years, with the number of deaths registered in each.

Table No. 3 shows the prevalence of notifiable diseases for the last six years.

The cases of Scarlatina and Diphtheria were distributed in the district as follows :—

	Diphtheria.	Scarlatina.
Llanelly Rural	24	11
Pontyberem	4	Nil
Llangennech	—	1
Llanedy	1	Nil
Llannon	4	5
Pembrey	9	4
	—	—
Total	42	21

The Council have an arrangement with the Clinical Research Association and Beck Laboratory, Swansea, for the examination of specimens of Pathological interest and Bacteriological examination of swabs in a case of suspected Diphtheria and Widal's blood test in suspected cases of Typhoid. Swabs and Widal tubes are supplied to the Medical Practitioners in the District, who are instructed to send specimens immediately a suspicious case of these diseases arises, direct to the Laboratory. The result is usually obtained within 24 hours by wire to the Practitioner and the M.O.H. Diphtheria antitoxin is supplied gratuitously to all Medical Practitioners for necessitous cases occurring in the area. A quantity is always kept in stock by the Medical Officer of Health.

No use has been made of the Tests known as the Schick and Dick Tests in Diphtheria and Scarlet Fever respectively.

Diphtheria Prophylactic Treatment.—Injections were given during the year.

No (a) primary vaccinations, and (b) revaccinations have been performed by the Medical Officer of Health under the Public Health (Small Pox Prevention) Regulation, 1917.

Of the Non-notifiable Acute Infectious Diseases, four deaths from Influenza were registered in your District during the year, as compared with six during the previous year. It is impossible to state even approximately the number of cases of this disease that has occurred during the year.

Complete co-operation is being maintained with the School Medical Officers in regard to any outbreak of infectious diseases occurring in the area.

No other diseases, such as Anthrax or Rabies, were reported.

Facilities are available for the cleansing and disinfection of verminous persons and their belongings at the Workhouse Infirmary, Llanelly. Premises are disinfected and fumigated by your Sanitary Officers when necessary.

The district has been fairly free from the prevalence of any animal or insect pests, such as rats or mosquitoes.

Table No. IV. shows the particulars of the incidence of notifiable diseases in the area during the year 1940.

Prevention of Blindness.—No action taken.

Table No. VI. shows the particulars of new cases of Ophthalmia Neonatorum and Tuberculosis and of all deaths from the diseases in the area during 1940.

The ratio of non-notifiable tuberculosis deaths to total tuberculosis deaths is approximately 12 per cent., according to the records of the year 1940. Some of these were discovered on Post-Mortems, others were acute cases. No action has been taken to enforce the Tuberculosis Notification Order.

Public Health (Prevention of Tuberculosis) Regulation, 1925.—No legal action taken.

Public Health Act, 1925. Section 62.—No legal action taken.

I am, Gentlemen,

Your obedient Servant,

D. C. EVANS,
M.R.C.S. (Eng.), L.R.C.P. (Lond.)

TABLE No. I.

Number of Notifiable Diseases recorded with the number of Deaths registered in each during the last 40 years.

Year.	Diphtheria.		Scarlatina.		Enteric Fever.		Estimated Population
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
1901	45	2	207	4	21	2	24,183
1902	57	10	121	1	22	2	24,366
1903	14	4	255	6	27	5	20,800
1904	11	2	266	8	10	3	21,070
1905	63	10	73	4	9	0	21,282
1906	51	6	17	0	9	1	21,532
1907	16	6	17	2	9	3	21,772
1908	4	1	27	1	5	0	23,930
1909	16	3	41	4	6	3	24,500
1910	22	8	29	0	5	0	25,200
1911	28	7	36	0	22	1	27,708
1912	25	3	119	2	10	3	28,420
1913	29	3	281	8	7	0	29,180
1914	40	9	298	9	3	0	29,950
1915	30	5	220	1	9	1	31,000
1916	22	5	95	2	8	4	32,398
1917	14	3	42	0	70	10	33,748
1918	25	3	34	2	9	2	33,773
1919	26	5	47	2	4	0	33,610
1920	50	5	45	1	4	0	33,820
1921	75	10	89	2	7	2	34,970
1922	97	7	40	0	5	2	35,450
1923	79	10	80	2	7	2	35,810
1924	64	7	144	2	9	3	36,170
1925	97	15	95	2	7	1	36,440
1926	73	3	58	0	1	0	36,820
1927	41	4	56	0	1	0	37,070
1928	94	5	62	0	3	0	37,280
1929	117	11	27	0	1	0	38,160
1930	79	7	57	0	0	0	38,160
1931	57	6	52	3	1	0	37,650
1932	52	2	14	0	3	0	37,500
1933	38	3	33	0	2	0	37,490
1934	45	2	82	0	1	0	37,220
1935	39	3	101	1	0	0	36,940
1936	110	4	68	0	0	0	36,790
1937	110	8	47	2	0	0	36,420
1938	41	6	41	0	1	0	36,190
1939	40	0	33	0	0	0	36,330
1940	39	1	21	0	0	0	35,910
Total	1975	214	3470	71	318	50	

TABLE No. II.

LLANELLY RURAL SANITARY DISTRICT.

Nett Deaths from stated causes at various ages arranged in Sexes for the Year ending December 31st, 1940

Causes of Death.	All Ages.		Under 1 year.		1—2 years.		2—5 years.		5—15 years.		15—25 years.		25—35 years.		35—45 years.		45—55 years.		55—65 years.		65—75 years.		75 years and upwards.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
All Causes	245	193	21	22	2		3	4	6	5	8	3	14	9	24	13	32	19	46	30	64	50	27.	36
Typhoid and Paratyphoid Fevers	M.																							
Measles	F.																							
Scarlet Fever	M.																							
Whooping Cough	F.																							
Diphtheria	M.																							
Influenza	F.								1															
Encephalitis Lethargica	M.																							
Cerebro Spinal Fever	F.								1		1						1							
Tuberculosis of respiratory system	M.										2		6		1	2	5		1		2			
	F.										3		6		4				3		1			

TABLE No. II.—Continued.

Causes of Death.	All Ages.	Under 1 year.	1—2 years.	2—5 years.	5—15 years.	15—25 years.	25—35 years.	35—45 years.	45—55 years.	55—65 years.	65—75 years.	75 years and upwards.
Other Tuberculosis Diseases	M. 3	...	1	1	3	...	...	...	...	...	...	...
Syphilis	F. 3	...	...	...	1	...	...	1	1	...	...	...
Diabetes	M. 2	...	...	...	...	...	...	...	...	3	1	1
Intra-Cran Vasi-Lesions	F. 3	...	...	1	...	...	...	1	2	6	4	1
Heart Disease	M. 15	...	...	...	...	...	1	...	6	3	4	5
Other Circulatory Diseases	F. 18	...	...	...	1	...	...	2	2	14	17	8
Bronchitis	M. 41	...	...	...	...	...	...	...	2	4	20	11
Pneumonia (all forms)	F. 41	...	...	...	1	...	...	1	1	...	1	3
Other Respiratory Diseases	M. 5	...	...	...	...	...	...	...	2	3	7	3
Ulcer of Stomach or Duodenum	F. 1	1	...	...	...	...	...	...	2	3	5	4
Diarrhoea, etc. (under 2 years).	M. 18	4	...	...	...	...	2	5	2	2	2	5
Appendicitis	F. 1	...	...	...	...	...	1	1	1	...	...	1

TABLE No. II.—Continued.

Causes of Death.	All Ages.		Under 1 year.		1—2 years.		2—5 years.		5—15 years.		15—25 years.		25—35 years.		35—45 years.		45—55 years.		55—65 years.		65—75 years.		75 years and upwards.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Other Digestive Diseases	5	3					1	1							1	1	1	1	1	1	1	1		
Acute and Chronic Nephritis																	2	2	1	1	1	1		
Puerperal Sepsis and Post-Abortion															1									
Other Maternal Causes																								
Premature Birth																								
Congenital Malformation, Birth Injuries, etc.																								
Suicide																								
Other Violence																								
All Other Causes																								
Road Traffic Accident																								
Cancer Buc. Cav. and Oesoph																								
Cancer of Uterus																								
Cancer of Breast																								
Cancer of Stomach and Duodenum																								
Cancer of Other Sites																								

TABLE No. III.

Table showing the number of Infectious Diseases notified during last six years.

Disease.	1935	1936	1937	1938	1939	1940
Measles						282
Whooping Cough					10	16
Diphtheria	39	110	110	41	40	39
Scarlet Fever	101	68	47	41	33	21
Enteric Fever (including Paratyphoid)				1		
Puerperal Fever			1			
Puerperal Pyrexia	2	4	1	9	8	1
Pneumonia	13	21	37	23	24	29
Other Diseases generally notifiable :—						
Erysipelas	3	4	5	9	8	9
Dysentery						
Polio-Encephalitis				1	1	
Other Diseases notifiable locally :—						
Tuberculosis :—						
Pulmonary { Male	24	29	34	23	28	29
Female	35	23	25	12	21	17
Total	59	52	59	35	49	46
Non-Pulmonary { Male	12	6	4	9	9	4
Female	5	7	6	4	17	4
Total	17	13	10	13	26	8
Ophthalmia Neonatorum	3	3	3	3	1	1
Acute Poliomyelitis	1			13		
Cerebro Spinal Fever						22

TABLE No. IV.

Notifiable Diseases during the year 1940.

Disease.	Total Cases Notified.	Cases Admitted to Hospital.	Total Deaths.
Diphtheria	39	30	1
Scarlet Fever	21	3	
Enteric Fever (including Paratyphoid)			
Puerperal Pyrexia	1		1
Other Puerperal Causes		1	1
Pneumonia	29	1	21
Other Diseases generally notifiable :—			
Erysipelas	9	1	
Polio-Encephalitis			
Other Diseases notifiable locally :—			
Tuberculosis :—			
Pulmonary { Male	29	12	18
Female	17	5	17
Total	46	17	35
Non-Pulmonary { Male	4	1	3
Female	4		3
Total	8	1	6
Ophthalmia Neonatorum	1		
Cerebro Spinal Fever	22	19	4
Acute Poliomyelitis			
Measles	282		
Whooping Cough	16		

TABLE No. V.

Birth Rates, Death Rates, Analysis of Mortality, Maternal Death Rates,
and Case Rates for certain Infectious Diseases in the Year, 1940.

ENGLAND AND WALES AND LLANELLY RURAL DISTRICT.

(Provisional Figures based on Weekly and Quarterly Returns.)

	England and Wales.	Llanelly Rural District.
	Rates per 1,000 Population.	
Births :—		
Live	14.6	13.78
Still	0.55	0.75
Deaths :—		
All Causes	14.3	12.19
Typhoid and Paratyphoid Fevers	0.00	0.00
Smallpox	0.00	0.00
Measles	0.02	0.00
Scarlet Fever	0.00	0.00
Whooping Cough	0.02	0.00
Diphtheria	0.06	0.03
Influenza	0.32	0.11
Notification :—		
Smallpox	0.00	0.00
Scarlet Fever	1.63	0.59
Diphtheria	1.16	1.08
Enteric Fever	0.07	0.00
Erysipelas	0.33	0.25
Pneumonia	1.20	0.77
	Rates per 1,000 Live Births.	
Deaths under 1 year of age	55	86
Deaths from Diarrhoea and Enteritis under 2 years of age	4.6	2.00
Maternal Mortality :—		
Puerperal Sepsis	0.52	2.00
Others	1.64	2.00
Total	2.16	4.00
	Rates per 1,000 Total Births (<i>i.e.</i> , Live and Still).	
Maternal Mortality :—		
Puerperal Sepsis	0.52	1.90
Others	2.08	1.90
Total	2.82	2.80
Notification :—		
Puerperal Fever }	12.35	1.90
Puerperal Pyrexia }		

TABLE No. VII.

LLANELLY RURAL SANITARY AUTHORITY.

Cases of Infectious Diseases notified during the year 1940.

Notifiable Disease.	Number of Cases Notified.
Measles	282
Small-pox	—
Cholera (C.), Plague (P.)	—
Diphtheria (including Membraneous Croup)	39
Erysipelas	9
Scarlet Fever	21
Typhus Fever	—
Enteric Fever	—
Relapsing Fever (R)	—
Continued (C)	—
Puerperal Pyrexia	1
Cerebro-Meningitis	22
Polio-Myelitis	—
Polio-Eucaphilitis	—
Ophthalmia Neonatorum	1
Pulmonary Tuberculosis	46
Other Forms of Tuberculosis	8
Pneumonia	29
Dysentery	—
Malaria	—
Encephalitis Lethargica	—
Whooping Cough	16
Total	474

TABLE No. VIII.

LLANELLY RURAL SANITARY AUTHORITY.

Infant Mortality.

Nett Deaths from stated causes of various ages under 1 year of age during 1940.

Causes of Death.	No. of Deaths.
Bronchitis	3
Cerebro Spinal Fever	1
Congenital Malformation, etc.	17
Enteritis	1
Pneumonia	4
Premature Birth	11
All other Causes	6
Total	43

TABLE No. IX.

LLANELLY RURAL SANITARY DISTRICT.

Table shewing Population for each Division of the District, as taken at the last two Censuses, and also the Estimated Population for the last six years.

	Census Popu- lation 1921	Census Popu- lation 1931	Estima- ted Popu- lation 1935	Estima- ted Popu- lation 1936	Estima- ted Popu- lation 1937	Estima- ted Popu- lation 1938	Estima- ted Popu- lation 1939	Estima- ted Popu- lation 1940
I. Llanelly Rural Sub-District.....	13728	15237	15000	15030	14880	14790	14860	14700
II. Llannon, etc., District	11935	12724	12600	12550	12420	12330	12380	12230
Llannon	4844	5599	5540	5520	5470	5430	5450	5360
Llanedi	4270	4280	4240	4220	4170	4140	4160	4120
Llangennech	2821	2845	2820	2810	2780	2760	2770	2750
III. Pontyberem	3026	3201	3170	3160	3130	3110	3120	3080
IV. Pembrey Sub-District	5546	6104	6070	6050	5990	5960	5970	5900
The Whole District	34235	37266	36940	36790	36420	36190	36330	35910

TABLE No. X.**LLANELLY RURAL SANITARY DISTRICT.**

Causes of Death for the past ten years.

	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
Cancer.....	36	42	36	44	31	49	54	58	42	57
Scarlet Fever	3	.....	.....	.....	1	.....	2	.....	.....	.....
Diphtheria, including Mem- braneous Croup	6	2	3	2	3	4	8	6	.....	1
Typhoid Fever .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Puerperal Fever.....	2	2	2	.....	2	1	1	.....	.....	1
Erysipelas .....	.....	.....	1	1	.....	.....	.....	1	1	.....
Measles .....	.....	.....	1	2	.....	1	3	.....	.....	.....
Whooping Cough	1	4	3	1	3	1	1	.....	1	.....
Diarrhoea and Dysentery	1	4	4	2	2	1	.....	3	4	1
Rheumatic Fever	1	.....	.....	.....	1	.....	3	.....	.....	.....
Phthisis	23	32	29	21	36	36	25	21	21	35
Bronchitis and Pneumonia	45	44	45	35	36	39	32	27	25	55
Heart Disease	64	94	100	87	116	103	91	110	127	82
Injuries	21	17	21	28	30	14	19	16	20	30
All other Causes	228	162	202	188	172	175	171	154	200	176
Total ..	431	403	447	421	433	424	410	396	441	438

TABLE No. XI.**LLANELLY RURAL SANITARY DISTRICT.**

Comparative Table of the Age at which Death occurred for the past ten years.

	At all ages.	Under 1 year.	1 year and under 5 years.	5 years and under 15 years.	15 years and under 25 years.	25 and under 65 years.	65 and upwards
1931	431	56	19	19	26	175	136
1932	403	42	15	8	27	175	136
1933	447	52	12	16	29	173	165
1934	421	36	10	16	23	165	171
1935	433	28	11	10	28	182	174
1936	424	31	11	9	21	179	173
1937	410	28	10	16	18	167	171
1938	396	22	11	12	18	161	172
1939	441	35	4	7	10	183	202
1940	438	43	9	11	11	187	177

TABLE No. XII.

RAINFALL.

The record of rainfall as measured at Llynfan Reservoir, Llandeusant, is appended for the years 1931-1940 :—

Month.	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
January	10.13	20.34	11.61	10.99	3.11	11.21	17.10	14.91	13.85	4.73
February	8.77	.35	7.99	.93	10.48	4.81	14.24	4.57	9.47	8.92
March	2.66	5.35	6.86	7.52	2.36	5.66	8.46	1.76	5.55	9.40
April	5.80	7.75	2.71	6.32	11.10	4.53	4.95	0.55	6.01	4.71
May	8.37	10.40	2.49	4.73	3.71	2.05	3.34	8.23	1.36	2.85
June	8.94	4.30	3.14	2.82	8.56	5.69	3.73	8.55	7.44	1.45
July	9.21	5.66	6.39	1.50	1.93	13.13	3.95	8.40	17.34	5.99
August	10.64	2.48	1.68	6.49	2.86	2.64	1.66	5.35	4.52	1.73
September	3.67	8.12	1.86	7.21	10.75	5.29	4.42	4.06	1.67	3.49
October	3.76	16.05	14.62	12.22	9.24	4.96	5.05	14.97	4.55	10.77
November	24.96	7.12	2.00	3.85	11.96	7.94	2.71	16.07	17.16	17.09
December	6.65	9.40	3.24	22.74	6.13	17.22	9.39	9.33	7.55	6.34
Total	103.56	97.32	64.59	87.32	81.99	85.13	79.00	96.75	96.47	77.47

D. C. SAMUEL, Engineer.

TABLE No. XIII.

Occupied Dwelling-Houses in the Llanelly Rural District for the
Year ending 31st December, 1940.

	Dwelling Houses.	Public Houses.	Farms.	Total.
Llanelly Rural Parish—				
Glyn Ward	371	4	55	430
Hengoed Ward	889	9	59	957
Westfa Ward	1310	7	34	1351
Berwick Ward	1023	10	35	1068
Llannon Parish	1045	6	139	1190
Llangennech Parish	630	9	29	668
Llanedy Parish—				
Hendy	553	9	41	603
Tycroes	374	2	49	425
Pontyberem Parish	681	5	48	734
Pembrey Parish—				
Pembrey Ward	367	7	30	404
Pwll Ward	369	5	20	394
Trimsaran Ward	544	7	61	612
	8156	80	600	8836

TABLE No. XIV.

On the administration of the Factory and Workshops Act, 1901, and the Factories Act, 1937 (which superseded the Act of 1901 on 1st July, 1938).

1.—INSPECTIONS for purposes of provisions as to health. Including
Inspections made by the Sanitary Inspectors.

Premises. (1)	Number of		
	Inspections. (2)	Written Notices. (3)	Occupiers Prosecuted. (4)
Factories with mechanical power ..	7	1	Nil
Factories without mechanical power	Nil	Nil	Nil
*Other Premises under the Act (including works of building and engineering construction, but not including outworkers' premises)	Nil	Nil	Nil
*Electrical Stations should be reckoned as factories. Total	7	1	Nil

2.—DEFECTS FOUND.

Particulars. (1)	Number of Defects.			Number of defects in respect of which Prosecu- tions were instituted. (5)
	Found. (2)	Remedied. (3)	Referred to H.M. Inspector. (4)	
Want of Cleanliness (S.1)	—	—	—	—
Overcrowding (S.2)	—	—	—	—
Unreasonable temperature (S.3)	—	—	—	—
Inadequate ventilation (S.4)	—	—	—	—
Ineffective drainage of floors (S.6)	—	—	—	—
Sanitary Conveniences (S.7) :—				
Insufficient	—	—	—	—
Unsuitable or defective	1	1	—	—
Not separate sexes	—	—	—	—
Other Offences (not including offences relating to Home Work or offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Work- shops Transfer of Powers) Order, 1921, and re-enacted in the Third Schedule to the Factories Act, 1937)	—	—	—	—
Total	1	1	Nil	Nil

LLANELLY RURAL DISTRICT COUNCIL.

Castle Buildings,
Llanelly.

Plans approved for the year 1940 are as follows :—

Parish.	New Houses.	Additional Alterations.	Other Buildings.
Llanelly	3	1	3
Llanedy	2	3	1
Pembrey	1	1	2
Llannon	—	—	1
Llangennech	—	—	—
Pontyberem	—	2	—
	6	7	7

Buildings completed and certificates of completion for the above period as follows :—

Llanelly	9	2	3
Llanedy	3	2	—
Pembrey	13	1	1
Llannon	—	—	2
Llangennech	1	—	—
Pontyberem	2	1	—
	28	6	6

JOHN JENKINS,
Surveyor.

Housing Architect's Summary as to the Erection of Houses under the Housing Act, 1930.

The number of houses completed under the Housing Acts, 1930-36, for the year ended 31st December, 1940, was 94.

These houses were allocated to the various districts as hereunder:—

Maesyberllan, Pontyberem	34
Maengwynne, Furnace	54
Tirforogan, Dafen	6
	94

E. MORGAN,
Housing Architect.

